

What is Claimed is:

1. An anchored fiber optic cable and housing assembly, comprising:

5 a fiber optic cable comprising a strength member and a jacket around said strength member, wherein said cable includes a first end and a second end;

an anchor mounted on said cable at said first end, said anchor including an inner sleeve and an outer sleeve, wherein said strength member includes a first end at said first end of said cable structurally engaged with said anchor; and

10 a housing, said housing comprising an anchor cavity and a cable inlet, said anchor cavity comprising a first shoulder for engaging with said anchor, wherein said anchor is mounted in said housing cavity and said cable extends through said cable inlet, and wherein said anchor cavity first shoulder is engaged with said anchor to prevent said anchor from exiting said housing through said cable inlet.

15 2. The anchored fiber optic cable and housing assembly of claim 1, wherein said fiber optic cable includes an optical fiber in said jacket.

20 3. The anchored fiber optic cable and housing assembly of claim 1, wherein said anchor cavity further comprises a second shoulder, wherein said housing further comprises an optical fiber outlet, and wherein said anchor cavity second shoulder is engaged with said anchor to prevent said anchor from exiting said housing through said optical fiber outlet.

25 4. The anchored fiber optic cable and housing assembly of claim 2, wherein said strength member comprises a plurality of filaments.

5. The anchored fiber optic cable and housing assembly of claim 4, wherein said filaments comprise aramid filaments.

6. The anchored fiber optic cable and housing assembly of claim 2, wherein said strength member is structurally engaged between said anchor inner and outer sleeves by compression between said inner and outer sleeves.

5 7. The anchored fiber optic cable and housing assembly of claim 2, wherein said anchor outer sleeve includes a first end oriented towards said first end of said cable, wherein said anchor inner sleeve includes a first end oriented towards said first end of said cable and a front flange extending from said first end, and wherein said strength member extends from said first end of said cable and is structurally engaged between said first end of said outer sleeve and said inner sleeve front flange.

8. The anchored fiber optic cable and housing assembly of claim 2, wherein said strength member extends from within said jacket at said first end of said cable, over said jacket towards said second end of said cable, between said jacket and said anchor outer sleeve.

15 9. The anchored fiber optic cable and housing assembly of claim 2, wherein:
said anchor inner sleeve includes a first end and a second end, said second end extending toward said second end of said cable, an optical fiber passage extending through said inner sleeve, and an outer surface; and

20 wherein said optical fiber extends through said optical fiber passage beyond said first end of said inner sleeve, and wherein said inner sleeve second end extends inside said jacket of said fiber optic cable jacket.

10. The anchored fiber optic cable and housing assembly of claim 9, wherein:

25 said anchor outer sleeve includes a first end and a second end, said second end extending toward said second end of said fiber optic cable, and a cable passage extending through said anchor outer sleeve, and

30 wherein said fiber optic cable extends through said outer sleeve cable passage, such that said jacket of said cable is engaged by compressive force between said anchor inner and outer sleeves.

11. The anchored fiber optic cable and housing assembly of claim 2, wherein said housing comprises a plurality of said cavities, and wherein said assembly includes a plurality of said cables and anchors, wherein each of said anchors is mounted in a respective one of said cavities.

12. The anchored fiber optic cable and housing assembly of claim 2, wherein said housing comprises a fiber optic fan-out assembly.

13. The anchored fiber optic cable and housing assembly of claim 2, wherein said housing comprises a fiber optic shuffle.

14. The anchored fiber optic cable and housing assembly of claim 1, further comprising a second anchor mounted on said second end of said cable, and wherein a second end of said strength member extends from said second end of said cable and is structurally engaged with said second anchor.

15. The anchored fiber optic cable and housing assembly of claim 14, further comprising a second housing, wherein said second anchor is mounted in said second housing.

16. The anchored fiber optic cable and housing assembly of claim 2, further comprising an optical connector mounted on said second end of said cable.

17. The anchored fiber optic cable and housing assembly of claim 2, wherein said optical fiber may move transversely within said jacket without significantly adversely affecting the signal transmitting capability of said optical fiber.

18. An anchored fiber optic cable assembly, comprising:
a fiber optic cable comprising a strength member, and a jacket around said strength member, wherein said cable includes a first end and a second end;

an anchor mounted on said cable at said first end, said anchor including an inner sleeve and an outer sleeve;

wherein said inner sleeve includes a first end, a second end, and an optical fiber passage extending through said inner sleeve; said inner sleeve second end extending within said cable jacket at said cable first end such that said strength member extends between said inner sleeve and said jacket;

wherein said outer sleeve includes a cable passage extending through said outer sleeve, and wherein said outer sleeve is mounted on said cable first end over said cable jacket with said cable extending through said cable passage, and wherein said anchor outer sleeve overlaps at least a portion of said inner sleeve;

wherein said cable passage is sized, prior to being mounted on said cable, so as to compress said cable jacket and said strength member between said inner and outer sleeves where said outer sleeve overlaps said inner sleeve, such that said strength member is structurally engaged with said anchor.

19. The anchored fiber optic cable assembly of claim 18, wherein said fiber optic cable includes an optic fiber in said jacket.

20. The anchored fiber optic cable assembly of claim 19, wherein said strength member comprises a plurality of filaments.

21. The anchored fiber optic cable assembly of claim 20, wherein said filaments comprise aramid filaments.

22. The anchored fiber optic cable assembly of claim 19, wherein said anchor outer sleeve includes a first end oriented towards said first end of said cable, wherein said anchor inner sleeve includes a first end oriented towards said first end of said cable and a front flange extending from said first end, and wherein said strength member extends from said first end of said cable and is structurally engaged between said first end of said outer sleeve and said inner sleeve front flange.

23. The anchored fiber optic cable assembly of claim 19, wherein said strength member extends from within said jacket at said first end of said cable, over said jacket towards said second end of said cable, between said jacket and said anchor outer sleeve.

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24. The anchored fiber optic cable assembly of claim 19, wherein said jacket of said cable is engaged by compressive force between said anchor inner and outer sleeves.

10 25. The anchored fiber optic cable assembly of claim 19, further comprising a second anchor mounted on said second end of said cable, and wherein a second end of said strength member extends from said second end of said cable and is structurally engaged with said second anchor.

15 26. The anchored fiber optic cable assembly of claim 19, further comprising an optical connector mounted on said second end of said cable.

20 27. The anchored fiber optic cable assembly of claim 19, wherein said optical fiber may move transversely within said jacket without significantly adversely affecting the signal transmitting capability of said optical fibers.

28. A method of anchoring a fiber optic cable in a housing, wherein said cable comprises a strength member and a jacket around the strength member, and wherein said housing comprises an anchor cavity, a cable inlet, and an optical fiber outlet, said method comprising the steps of:

25 placing an anchor inner sleeve within the jacket at the first end of the cable;
 placing an anchor outer sleeve over the jacket and thereby structurally engaging the strength member by compressive force between the anchor inner and outer sleeves;
 thereafter mounting the anchor in the cavity of the housing such that the cable extends through the cable inlet of the housing, wherein the anchor and housing are configured such
30 that the anchor cannot exit through the cable inlet.

29. The method of claim 28, wherein the fiber optic cable includes an optical fiber in the jacket.

5 30. The method of claim 29, wherein said anchor and housing are configured such that said anchor cannot exit through said optical fiber outlet.

31. The method of claim 29, the method comprising the further step prior to engaging the jacket between the anchor inner and outer sleeves of:

10 placing an exposed portion of the strength member along the outside of the jacket from the first end of the cable extending toward a second end of the cable;

wherein the step of placing the anchor outer sleeve over the jacket also includes placing the anchor outer sleeve over the exposed portion of the strength member.

15 32. The method of claim 29, wherein the mounting step can be accomplished without the use of tools.

33. The method of claim 29, wherein the mounting step can be accomplished without crimping.

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